4)

ABSTRACT

The present invention relates to compounds represented by formula (1) and a process for producing the same. The use of these compounds can realize the production of carbapenem derivatives having potent antimicrobial activity and a wide antimicrobial spectrum in a safe and cost-effective manner.

$$\begin{array}{c|cccc}
R^{1}O & H & H & & & & \\
\hline
 & & & & & & & \\
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\hline$$

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